SimpleLazyTeam
Project Proposals

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#1 Let there be color: (automatic image colorization) (Option A)

Paper: https://dl.acm.org/citation.cfm?id=2925974
Video demo: https://www.youtube.com/watch?v=ys5nMO4Q0iY
Github: https://github.com/satoshiiizuka/siggraph2016_colorization

Introduction:
A technique to automatically colorize grayscale images using convolutional neural networks.
It includes a fusion layer for merging local information of image patches with global priors for the entire image.

#2 Sequential Line Search for Efficient Visual Design Optimization by Crowds (Option A)

Paper: http://koyama.xyz/project/sequential_line_search/download/preprint.pdf
Website: http://koyama.xyz/project/sequential_line_search/

Introduction:
Parameter tweaking is a common task in photo color enhancement. This paper propose a novel extension of Bayesian optimization techniques, where the system decomposes the entire parameter tweaking task into a sequence of one-dimensional line search queries that are easy for human to perform by manipulating a single slider

3 Augmented Reality - Virtual Fitting Room: (Open A)

Paper:http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6220765
Github:https://github.com/akash0x53/virtual-dressing-room
Video:https://www.youtube.com/watch?v=RCM0u2tBl5E

Introduction
To improve the user experience of shopping online, virtual fitting room gives customers a
chance to "try on" clothes online. Basically, we grab images of clothes online, process those
images and fit the clothes to the user using OpenCV.